

**ABSTRACT**

A gas stream containing nitrous oxide and ammonia is contacted with a catalyst composition containing a zeolite.  $N_2O$  is reduced to  $N_2$  and  $H_2O$  at low temperatures in a highly efficient manner. Ammonia-mediated reduction of nitrous oxide can be effectuated from gas streams having  $N_2O$  concentrations as low as 1%. The gas stream may also contact a catalytic composition selective for the reduction of  $NO_x$ . In this way,  $N_2O$  and  $NO_x$  treatment may be effectuated in a single process stream.